

**Commonwealth of Kentucky  
Environmental and Public Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382**

**AIR QUALITY PERMIT  
Issued under 401 KAR 52:040**

**Permittee Name:** The Okonite Company

**Mailing Address:** 1740 Berea Road  
Richmond, Kentucky 40475

**Source Name:** The Okonite Company  
**Mailing Address:** 1740 Berea Road  
Richmond, Kentucky 40475


**Source Location:** 1740 Berea Road  
Richmond, Kentucky 40475

**Permit Number:** S-04-062(Revision 1)  
**Source A. I. #:** 2858  
**Activity #:** APE2005001  
**Review Type:** State Origin  
**Source ID #:** 21-151-00021

**Regional Office:** Frankfort Regional Office  
643 Teton Trail, Suite B  
Frankfort, KY 40601-1758  
(502) 564-3358

**County:** Madison

**Application**  
**Complete Date:** August 15, 2006  
**Issuance Date:** January 31, 2005  
**Revision Date:** October 26, 2006  
**Expiration Date:** January 31, 2015



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**John S. Lyons, Director  
Division for Air Quality**

**SCETION A – PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The Permittee shall not construct, reconstruct, or modify an affected facility without first having submitted a complete application and received a permit for the planned activity from the Division, except as provided in this permit or in 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the Permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agencies.

**Definitions:** The following definitions apply to all abbreviations and variables used in this permit:

PT – total particulate matter  
PM10 – particulate matter equal to or smaller than 10 micrometers  
CO – carbon monoxide  
NO<sub>x</sub> – nitrogen oxides  
SO<sub>2</sub> – sulfur dioxide  
Pb – lead  
VOC – volatile organic compounds

Rev #	Permit type	Log #	Complete Date	Issuance Date	Summary of Action
	State Origin	APE 20040001	05/13/04	Jan. 31, 2005	Initially a Conditional Major application was submitted. However, elimination of HAPs and paint usage reductions in the facility qualify the plant for a state origin permit.
01	State Origin	APE 20050001	08/20/06	Oct. 15, 2005	Addition of a new boiler, boiler # 3 Emission point 7.3.

## SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

### 1.1 Stranding Line – 4 Oil/Powder Applicators

**Description:** After oil is applied to the strand, the applicators will spray the absorbent powder and transfer it via electro-deposition. This is done to limit the moisture within the copper or aluminum strand. There are four (4) Oil/Powder applicators which can be moved to different stranding lines within the facility.

**Control Device:** Dust collector equipped with a 2,500 cfm fan and filter system.

**Construction Commenced:** 2002

#### **APPLICABLE REGULATIONS:**

**401 KAR 59:010 New process operations.**

1. **Operating Limitations:** None

2. **Emission Limitations:**

- a. ***Opacity Standard:*** Pursuant to 401 KAR 59:010 Section 3 (1), visible emissions from stacks or vents exiting the facility building shall not equal or exceed 20 percent opacity, as determined with Reference Method 9, Appendix A 40 CFR 60. No opacity standard shall apply for stacks vented inside the facility building.
- b. ***Mass Emission Standard:*** Pursuant to KAR 59:010 Section 3 (2), hourly particulate emissions for each emission point as measured by Reference Method 5, Appendix A 40 CFR 60, shall not exceed 2.34 lbs/hour.

#### **Compliance demonstration:**

The process weight shall be determined in hourly tons by averaging the monthly process weight rate over monthly hours of operation. Particulate emissions shall be calculated by the following equation:

$$E = P \cdot EF$$

Where E is particulate emissions in lbs/hr, P is averaged process weight in tons/hr and EF is the KYEIS particulate emission factor in lbs/ton of process weight.

3. **Testing Requirements:** None

**SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)****4. Specific Monitoring Requirements:**

- a. The Permittee shall monitor hours of operation in a month.
- b. The Permittee shall monitor the total monthly oil and powder usage rate.
- c. The Permittee shall monitor particulate emission rate (based on monthly average).
- d. The Permittee shall monitor and maintain a catalogue of MSDS for powder used for the duration of this permit.
- e. Once per month, unless vented inside, during equipment operation the Permittee shall survey the emission unit for visible emissions and maintain a log of observations.
  - i. If no visible emissions are observed then no further monitoring is required.
  - ii. If visible emissions are observed, the Permittee shall perform a Method 9 reading.
  - iii. The opacity observed shall be recorded in the monthly log.
  - iv. The reading shall be performed by a representative of the Permittee certified in Visible Emissions Evaluations.
  - v. The Permittee shall maintain a list of all individuals that are certified Visible Emissions Evaluators and the date of certification.

**5. Specific Recordkeeping Requirements:**

The Permittee shall keep records of the following list of parameters in spreadsheet format. These records shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.

- a. The Permittee shall record monthly hours of operation.
- b. The Permittee shall record monthly pounds of powder and oil used.
- c. The Permittee shall record hourly particulate emission rate (based on monthly average)
- d. The Permittee shall record the VOC and HAP contents of the powder and oil.

**SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS,  
AND OPERATING CONDITIONS (continued)**

- e. The Permittee shall record visible emission observations.
- 6. **Specific Reporting Requirements:**  
The Permittee shall report semi-annually any exceedances of the opacity and particulate emissions limitations.
- 7. **Specific Control Equipment Operating Conditions:** None

## **SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **2.1 (807-809, 830, 831) CV Rubber Extrusion Operation**

**Description:** The cable is coated with a rubber jacket in this section of CV rubber extrusion operation. There are five (5) individual emission points as note above [807, 808, 809, 830, and 831] within the CV rubber extrusion operation.

**Control Device:** None

**Construction commenced:** 1969

### **APPLICABLE REGULATIONS:**

**401 KAR 63:020** Potentially Hazardous Matter or Toxic Substances

#### **1. Operating Limitations:**

Total rubber usage for the above five (5) emission points shall not exceed 40 million pounds per year. Compliance shall be demonstrated through monitoring and record keeping as specified below.

**2. Emission Limitations:** None

**3. Testing Requirements:** None

#### **4. Specific Monitoring Requirements:**

The Permittee shall monitor the monthly and 12 month rolling total usage rate of rubber (tons/month and tons/year).

#### **5. Specific Record Keeping Requirements:**

The Permittee shall keep records of the monthly rubber usage rate.

#### **6. Specific Reporting Requirements:**

The Permittee shall report semi-annually to the Division any exceedance of the operating limitations.

**7. Specific Control Equipment Operating Conditions:** None

## SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

### 3.1 (810, 811, 880, 890) 4 Plastic Extrusion Lines

**Description:** Polyethylene, polyvinyl chloride and polypropylene are extruded onto electric power cables at these points. The main extruder will process a maximum of 3,000 pounds per hour and the stripe extruder will process a maximum of 115 pounds per hour of plastic compound. The extruder operates at a maximum of 370°F. The lines are cooled and taken up at the end of the process. There are four (4) individual emission points as noted above.

**Control Device:** None

**Construction Commenced:** 810, 811 – 1969  
890 – 1988  
880 – 1999

#### **APPLICABLE REGULATIONS:**

**401 KAR 59:010 New process operations.**

**401 KAR 63:020 Potentially hazardous matter or toxic substances**

**401 KAR 61:020 Existing Process Operations**

#### **1. Operating Limitations:**

The source shall be operated in such a way that the utmost care and consideration shall be taken in the handling of any hazardous matter or toxic substances.

#### **2. Emission Limitations:**

- a. ***Opacity Standard for Points 880 and 890:*** Pursuant to 401 KAR 59:010 Section 3 (1) for equipment constructed on or after July 2, 1975, visible emissions from stacks or vents exiting the facility building shall not equal or exceed 20 percent opacity, as determined with Reference Method 9, Appendix A 40 CFR 60. No opacity standard shall apply for stacks vented inside the facility building.
- b. ***Opacity Standard for Points 810 and 811:*** Pursuant 401 KAR 62:020 Section 3 (1) for equipment constructed before July 2, 1975, visible emissions from stacks or vents exiting the facility building shall not equal or exceed 40 percent opacity, as determined with Reference Method 9, Appendix A 40 CFR 60. No opacity standard shall apply for stacks vented inside the facility building
- c. ***Mass Emission Standard 880 and 890:*** Pursuant to 401 KAR 59:010 Section 3 (2), for particulate emissions from all emission points constructed on or after July 2, 1975 hourly particulate emissions for each emission point as measured by Reference Method 5, Appendix A 40 CFR 60, shall not exceed the limit calculated by the following equation:

**SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)**

$$E = 3.59 \cdot P^{0.62}$$

Where E is the particulate emission in lbs/hour and P is the process weight in tons/hour. If the process weight is less than or equal to 0.5 ton/hour, the particulate matter emission limitation shall be 2.34 lbs/hour.

- d. ***Mass Emission Standard for Points 810 and 811:*** Pursuant to 401 KAR 61:020 Section 3 (2), for particulate emissions from all emission points constructed before July 2, 1975 hourly particulate emissions for each emission point as measured by Reference Method 5, Appendix A 40 CFR 60, shall not exceed the limit calculated by the following equation:

$$E = 4.10 \cdot P^{0.67}$$

Where E is the particulate emission in lbs/hour and P is the process weight in tons/hour. If the process weight is less than or equal to 0.5 ton/hour, the particulate matter emission limitation shall be 2.58 lbs/hour.

**Compliance demonstration:**

The process weight shall be determined in average hourly “tons” by averaging the monthly process weight rate over monthly hours of operation. Particulate emissions shall be calculated by the following equation:

$$E = P \cdot EF$$

Where E is particulate emissions in lbs/hr, P is averaged process weight in tons/hr and EF is the KYEIS particulate emission factor in lbs/ton of process weight.

**3. Testing Requirements:** None**4. Specific Monitoring Requirements:**

- a. The Permittee shall monitor monthly polyethylene, polyvinyl chloride and polypropylene usage and hours of operation.
- b. The Permittee shall monitor and maintain a catalogue of MSDS for polyethylene, polyvinyl chloride and polypropylene used for the duration of this permit.
- c. Once per month, unless vented inside, during equipment operation, the Permittee shall survey the emission unit for visible emissions and maintain a log of observations.



**SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)**

- i. If no visible emissions are observed then no further monitoring is required.
- ii. If visible emissions are observed, the Permittee shall perform a Method 9 reading.
- iii. The opacity observed shall be recorded in the monthly log.
- iv. The reading shall be performed by a representative of the Permittee certified in Visible Emissions Evaluations.
- v. The Permittee shall maintain a list of all individuals that are certified Visible Emissions Evaluators and the date of certification.

**5. Specific Recordkeeping Requirements:**

The Permittee shall keep records of the following list of parameters in spreadsheet format. These records, as well as purchase orders and invoices for all HAP containing materials, shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.

- a. The Permittee shall record monthly pounds of polyethylene, polyvinyl chloride and polypropylene used.
- b. The Permittee shall record the VOC and HAP contents of the polyethylene, polyvinyl chloride and polypropylene.
- c. The Permittee shall record visible emission observations.

**6. Specific Reporting Requirements:**

The Permittee shall report semi-annually any exceedances of the opacity and particulate emissions limitations.

**7. Specific Control Equipment Operating Conditions: None**

## **SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **4.1 & 4.2 (821,822,826,843 and IJ1-IJ8) 4 Cable Print Lines and 8 Inkjet Printers**

**Description:** Cables are coated with applicable electrical information at the print lines. Cables are printed with manufacturer identification codes at the inkjet printers. There are total of five (5) individual emission points as noted above.

**Control Device:** None

**Construction commenced:** Cable Print lines 1983  
Inkjet Printers 1999

### **APPLICABLE REGULATIONS:**

**401 KAR 63:020 Potentially hazardous or toxic substances**

#### **1. Operating Limitations:**

- a. Total ink usage shall not exceed 270 gal/yr and total thinner usage shall not exceed 350 gal/yr.
- b. The source shall be operated in such a way that the utmost care and consideration shall be taken in the handling of any hazardous matter or toxic substances.

#### **2. Emission Limitations:** None

#### **3. Testing Requirements:** None

#### **4. Specific Monitoring Requirements:**

The Permittee shall monitor the monthly and 12-month rolling total ink and thinner usage.

#### **5. Specific Record Keeping Requirements:**

The Permittee shall keep records of the monthly and 12-month rolling total ink and thinner usage.

#### **6. Specific Reporting Requirements:**

The Permittee shall report semi-annually to the Division of Air Quality any exceedance of the operating limitations.

#### **7. Specific Control Equipment Operating Conditions:** None

## SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

### 5.1 & 5.2 Extruder Parts Oven Cleaner with Afterburner

**Description:** This is where extruder buildup is burned off. The VOCs emitted from the oven are incinerated in an afterburner.

**Control Device:** High Efficiency Gravity Collector & Direct Flame Afterburner.

**Construction Commenced:** October, 1983

#### **APPLICABLE REGULATIONS:**

##### **401 KAR 59:010 New Process Operations**

**1. Operating Limitations:** None

**2. Emission Limitations:**

- a. ***Opacity Standard:*** Pursuant to 401 KAR 59:010 Section 3 (1), visible emissions from stacks or vents exiting the facility building shall not equal or exceed 20 percent opacity, as determined with Reference Method 9, Appendix A 40 CFR 60.
- b. ***Mass Emission Standard:*** Pursuant to 401 KAR 59:010 Section 3 (2), hourly particulate emissions for each emission point as measured by Reference Method 5, Appendix A 40 CFR 60, shall not exceed 2.34 lbs/hour.

Compliance demonstration: The process weight shall be determined in average hourly tons by averaging the monthly process weight rate over monthly hours of operation. Particulate emissions shall be calculated by the following equation:

$$E = P \cdot EF$$

Where E is particulate emissions in lbs/hr, P is averaged process weight in tons/hr and EF is the KYEIS particulate emission factor in lbs/ton of process weight.

**3. Testing Requirements:** None

**4. Specific Monitoring Requirements:**

- a. The Permittee shall monitor monthly hours of operation.
- b. The Permittee shall monitor monthly tons of parts cleaned.
- c. The Permittee shall monitor monthly natural gas usage (mmft<sup>3</sup>/month).

**SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)**

- d. The Permittee shall monitor hourly particulate emission rate (based on a monthly average).
- e. Once during equipment operation, the Permittee shall survey the emission unit for visible emissions and maintain a log of observations.
  - i. If no visible emissions are observed then no further monitoring is required.
  - ii. If visible emissions are observed, the Permittee shall perform a Method 9 reading.
  - iii. The opacity observed shall be recorded in the monthly log.
  - iv. The reading shall be performed by a representative of the Permittee certified in Visible Emissions Evaluations.
  - v. The Permittee shall maintain a list of all individuals that are certified Visible Emissions Evaluators and the date of certification.

**5. Specific Recordkeeping Requirements:**

The Permittee shall keep records of the following list of parameters in spreadsheet format. These records, as well as purchase orders and invoices natural gas, shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.

- a. The Permittee shall record monthly hours of operation.
- b. The Permittee shall record monthly tons parts cleaned.
- c. The Permittee shall record monthly natural gas usage (mmft<sup>3</sup>/month).
- d. The Permittee shall record hourly particulate emission rates (based on monthly average)
- e. The Permittee shall record visible emissions observations

**6. Specific Reporting Requirements:**

The Permittee shall report semi-annually any exceedances of the opacity and particulate emissions limitations.

**7. Specific Control Equipment Operating Conditions: None**

## **SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **6.1 Reel Repair Line**

**Description:** This is where wire reels are repaired and painted after damage during shipping. It is a welding and painting shed.

**Control Device:** 2 Fabric filter systems installed on exhaust fans.

**Construction Commenced:** January, 1993

### **APPLICABLE REGULATIONS:** **401 KAR 63:010 Fugitive Emissions**

1. **Operating Limitations:** None
2. **Emission Limitations:**  
The Permittee shall take reasonable precautions to prevent particulate matter from becoming airborne.
3. **Testing Requirements:** None
4. **Specific Monitoring Requirements:**
  - a. The Permittee shall monitor monthly paint usage.
  - b. The Permittee shall monitor and maintain a catalogue of MSDS for paint used for the duration of this permit.
5. **Specific Recordkeeping Requirements:**  
The Permittee shall keep records of the following list of parameters in spreadsheet format. These records, as well as purchase orders and invoices for all VOC containing materials, shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.
  - a. The Permittee shall record monthly gallons of paint used.
  - b. The Permittee shall record the VOC and HAP contents of the paint.
6. **Specific Reporting Requirements:** None
7. **Specific Control Equipment Operating Conditions:** None

## SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

### 7.1 and 7.2            Boilers #1 and #2

**Description:** These are two natural gas fired boilers that provide heat source wide for the plant. No. 2 fuel oil is maintained as a backup fuel for the boilers. Each boiler has a 21.0 MMBUT/hr capacity.

**Control Device:** None

**Construction Commenced:** 1969

#### **APPLICABLE REGULATIONS:**

**401 KAR 61:015, Existing indirect heat exchangers**

1. **Operating Limitations:** None

2. **Emission Limitations:**

- a. ***Opacity Standard:*** Pursuant to Regulation 401 KAR 61:015, Section 4(3), visible emissions shall not exceed 40% opacity based on a six-minute-average.
- b. ***Mass Standard:*** Pursuant to Regulation 401 KAR 61:015, Section 4(1), particulate emissions shall not exceed 0.537 lb/MMBTU, each based on a three-hour-average.

#### **Compliance Demonstration:**

When #2 fuel oil is used as fuel, the Permittee shall demonstrate compliance by comparing the allowable rate to the actual rate for Particulate Mater as calculated below:

PM Emissions (lb/MMBTU) from combustion of No. 2 fuel-oil = (U.S. EPA approved or AP-42 emission factor: 2 lbs / 10<sup>3</sup> gallons) \*(monthly #2 fuel oil usage in gallons) / (monthly hours of operation) / (rated capacity of boiler in MMBTU/hr).

- c. ***Sulfur Dioxide Standard:*** Pursuant to Regulation 401 KAR 61:015, Section 5(1), sulfur dioxide emissions shall not exceed 5.0 lbs/MMBTU based on a twenty-four-hour average.

#### **Compliance Demonstration:**

When #2 Fuel oil is used as fuel, the Permittee shall demonstrate compliance by comparing the allowable rate to the actual rate of Sulfur Dioxide emission as calculated below:

**SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)**

SO<sub>2</sub> Emissions (lb/MMBTU) from combustion of No. 2 fuel-oil = (U.S. EPA approved or AP-42 emission factor: 157\*%Sulfur lbs / 10<sup>3</sup> gallons) \*(monthly #2 fuel oil usage in gallons) / (monthly hours of operation) / (rated capacity of boiler in MMBTU/hr).

**3. Testing Requirements:** None**4. Specific Monitoring Requirements:**

For all periods of #2 fuel oil usage:

- a. The Permittee shall monitor the heat content and sulfur contents by monthly amount of the No. 2 fuel oil used and monthly hours of operation.
- b. Once per month, during equipment operation, the Permittee shall survey the emission unit for visible emissions and maintain a log of observations.
  - i. If no visible emissions are observed then no further monitoring is required.
  - ii. If visible emissions are observed, the Permittee shall perform a Method 9 reading.
  - iii. The opacity observed shall be recorded in the monthly log.
  - iv. The reading shall be performed by a representative of the Permittee certified in Visible Emissions Evaluations.
  - v. The Permittee shall maintain a list of all individuals that are certified Visible Emissions Evaluators and the date of certification.

**5. Specific Recordkeeping Requirements:**

The Permittee shall keep records of the following list of parameters in spreadsheet format. These records, as well as purchase orders and invoices for all VOC containing materials, shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.

- a. The Permittee shall keep a record of the heat content and sulfur contents by weight of the No. 2 fuel oil used.
- b. The Permittee shall record visible emission observations.

## **SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)**

### **6. Specific Reporting Requirements:**

The Permittee shall report semi-annually to the Division:

- a. Any exceedance of opacity, particulate or SO<sub>2</sub> emissions limitations.
- b. The sulfur content by weight of the No.2 fuel oil.
- c. The monthly usage rate of natural gas and No. 2 fuel oil.
- d. The monthly visible emissions readings.

### **7. Specific Control Equipment Operating Conditions: None**



## **SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **7.3 Boiler # 3**

**Description:** This is a new boiler added to the existing two boilers (Boiler # 1, and # 2) at the facility. The new boiler has a maximum rated capacity of 19.67 MMBTU/hour. Its Primary fuel is Natural Gas with #2 oil as backup fuel.

**Construction Date:** September 2006

### **APPLICABLE REGULATIONS:**

#### **401 KAR 59:015, New indirect fired heat exchangers**

##### **1. Operating Limitations:**

None

##### **2. Emission Limitations:**

- a. Pursuant to 401 KAR 59:015, Section 4(1)(c), emissions of particulate matter from the combustion of either natural gas or fuel oil shall not exceed 0.364 lb per MMBTU.
- b. Pursuant to 401 KAR 59:015, Section 4(2), the opacity of visible emissions from the combustion of either natural gas or fuel oil shall not exceed 20%.
- c. Pursuant to 401 KAR 59:015, Section 5(1)(c)1, emissions of sulfur dioxide from the combustion of either natural gas or fuel oil shall not exceed 1.42 lb per MMBTU.

##### **Compliance Demonstration Method**

Compliance is assumed while burning natural gas. However, if No. 2 fuel oil is burned the emission shall be calculated as follow:

$$\text{Emissions in lb / MMBTU} = \frac{[(\text{Total Monthly gas or fuel oil consumption rate} \times \text{Emission factor listed in Kentucky Emissions Inventory}) / (\text{Total Hours of operation per month} \times \text{Total Hourly Rated Capacity})]$$

##### **3. Testing Requirements:**

None

## **SECTION B – AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)**

### **4. Specific Monitoring Requirements:**

For all periods of #2 fuel oil usage:

- a. The Permittee shall monitor the heat content and sulfur contents by monthly amount of the No. 2 fuel oil used and monthly hours of operation.
- b. Once per month, when using fuel oil, the Permittee shall survey the emission unit for visible emissions and maintain a log of observations.
  - i. If no visible emissions are observed then no further monitoring is required.
  - ii. if visible emissions are observed, the Permittee shall perform a Method 9 reading.
  - iii. The opacity observed shall be recorded in the monthly log.
  - iv. The reading shall be performed by a representative of the Permittee certified in Visible Emissions Evaluations.
  - v. The Permittee shall maintain a list of all individuals that are certified Visible Emissions Evaluators and the date of certification.

### **5. Specific Record keeping Requirements:**

- a. The Permittee shall keep a record of the heat content and sulfur contents by weight of the No. 2 fuel oil used.
- b. The Permittee shall record visible emission observations.

### **6. Specific Reporting Requirements:**

The Permittee shall report semi-annually to the Division:

- a. Any exceedance of opacity, particulate or SO<sub>2</sub> emissions limitations.
- b. The sulfur content by weight of the No.2 fuel oil.
- c. The monthly usage rate of natural gas and No. 2 fuel oil.
- d. The monthly visible emissions readings.

### **7. Specific Control Equipment Operating Conditions: None**

**SCETION C – INSIGNIFICANT ACTIVITIES**

<b>Description</b>	<b>Generally Applicable Regulation</b>
1. Three (3) Aluminum Cladding Lines with three (3) Welders (Con't Lox Armor)	401 KAR 61:010
2. Wire Drawing	None
3. Wire Tin Coating (through put 30 lb/hr)	401 KAR 63:010
4. Glue Line	None
5. Storage Silos for PVC or Polyethylene Pellets	401 KAR 63:010
6. No. 2 Fuel Oil Tank ( Storage capacity 10,000 gal)	401 KAR 59:050
7. Wire Stranders #7,19,61,and 91.	None

## SECTION D – GENERAL CONDITIONS

### 1. Administrative Requirements

- a. The Permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
- b. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:040, Section 15]
- c. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit
- d. [Material incorporated by reference by 401 KAR 52:040, Section 1a, 11].
- e. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the Permittee for any permit revision, revocation, re-issuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition [Material incorporated by reference by 401 KAR 52:040, Section 1a, 4,5].
- f. This permit does not convey property rights or exclusive privileges [Material incorporated by reference by 401 KAR 52:040, Section 1a, 8].
- g. Nothing in this permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:040 Section 11(3)].
- h. All previously issued permit to this source at this location are hereby null and void.

### 2. Record keeping Requirements

- a. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the Permittee for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:040 Section 3(1)(f)].

**SECTION D – GENERAL CONDITIONS (Continued)**

- b. The Permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

**3. Reporting Requirements**

- a. In accordance with the provisions of 401 KAR 50:055, Section 1, the Permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - i. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.
- b. The Permittee shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition 1a above), the probable cause of the deviation, and corrective or preventive measures taken; to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual [*Cabinet Provisions and Procedures for Issuing State-Origin Permits*, Section 1b(V)(3), incorporated by reference in 401 KAR 52:040, Section 23(1)].
- c. Summary reports of monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.
- d. The summary reports are due January 30th and July 30th of each year. All deviations from permit requirements shall be clearly identified in the reports. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

**SECTION D – GENERAL CONDITIONS (Continued)****4. Inspections**

In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f) the Permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:

- a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
- b. To access and copy any records required by the permit;
- c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency;
- d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

**5. Emergencies/Enforcement Provisions**

- a. The Permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [*Cabinet Provisions and Procedures for Issuing State-Origin Permits*, Section 1a(3), incorporated by reference in 401 KAR 52:040, Section 23(1)].
- b. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the Permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
  - i. An emergency occurred and the Permittee can identify the cause of the emergency;
  - ii. The permitted facility was at the time being properly operated;
  - iii. During an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
  - iv. The Permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.

**SECTION D – GENERAL CONDITIONS (continued)**

- c. Emergency provisions listed in General Condition 5b are in addition to any emergency or upset provision contained in an applicable requirement [401 KAR 52:040, Section 22(1)].
- d. In an enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:040, Section 22(2)].

**6. Compliance**

- a. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
  - i. Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1;
  - ii. All the air pollution control systems shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and non routine maintenance performed on each control device;
  - iii. A log of the monthly raw material consumption and monthly production rates shall be kept available at the facility. Compliance with the emission limits may be demonstrated by computer program, spread sheets, calculations or performance tests as may be specified by the Division [401 KAR 50:055, Section 2].
- b. Pursuant to 401 KAR 52:040, Section 19, the Permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
  - i. Identification of the term or condition;
  - ii. Compliance status of each term or condition of the permit;
  - iii. Whether compliance was continuous or intermittent;

**SECTION D – GENERAL CONDITIONS (continued)**

- iv. The method used for determining the compliance status for the source, currently and over the reporting period, and
- v. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the Permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
- vi. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality  
Frankfort Regional Office  
643 Teton Trail, Suite B  
Frankfort, KY 40601-1758

Division for Air Quality  
Central Files  
803 Schenkel Lane  
Frankfort, KY 40601-1403

- c. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all:
  - i. Applicable requirements that are included and specifically identified in this permit; or
  - ii. Non-applicable requirements expressly identified in this permit [401 KAR 52:040, Section 11].

**7. Construction Requirements:**

- a. Pursuant to 401 KAR 52:040, Section 12(3), unless construction is commenced on or before 18 months after the date of issue of this permit, or if construction is commenced and then stopped for any consecutive period of 18 months or more, or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon a written request, the Cabinet may extend these time periods if the source shows good cause.
- b. Pursuant to 401 KAR 52:040, Section 12(4)(a) and 401 KAR 59:005, General provisions, Section 3(1), within 30 days following construction commencement, within 15 days following start-up and attainment of maximum production rate, or within 15 days following the issuance date of this permit, whichever is later, the owner and/or operator of the affected facilities specified on this permit shall furnish



**SECTION D – GENERAL CONDITIONS (continued)**

to the Regional Office listed on the front of this permit, with a copy to the Division's Frankfort Central Office, the following:

- i. Date when construction commenced, (See General Condition 7a);
  - ii. Start-up date of each of the affected facilities listed on this permit; and
  - iii. Date when maximum production rate was achieved, (See General Condition 7cii).
- c. Pursuant to 401 KAR 59:005, General provisions, Section 2(1), this permit shall allow time for the initial start-up, operation and (performance testing and/or compliance demonstration) of the affected facilities listed herein. However, within 60 days after achieving the maximum production rate at which the affected facilities will be operated, but not later than 180 days after initial start-up of such facilities, the owner or operator shall demonstrate compliance to a duly authorized representative of the Division.
- d. Pursuant to 401 KAR 59:005, General provisions, Section 3(1)(b), unless notification and justification to the contrary are received by this Division, the date of achieving the maximum production rate at which the affected facilities will be operated shall be deemed to be 30 days after initial start-up.
- e. Pursuant to Section VII(3) of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.
- f. Operation of the affected facilities authorized by this permit shall not commence until compliance with applicable standards specified herein has been demonstrated in accordance with the requirements of 401 KAR 52:040, Section 12(4)(b). Until compliance is demonstrated, the source may only operate for the purpose of demonstrating compliance.